

Figure 1

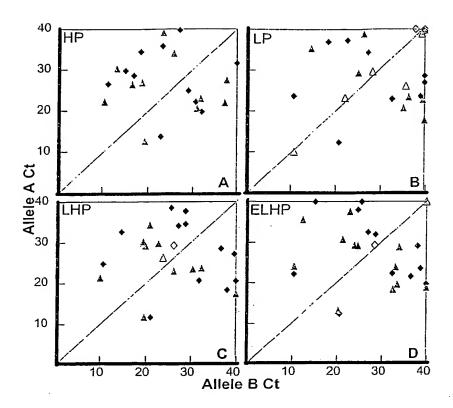


Figure 2

Figure 3 - S− FHP katG<sup>S315N</sup> (MUT) -A- FHP katG<sup>S315T</sup> (MUT)  $\circ$ Ө— FHP katG<sup>S3151</sup> (МUТ) Þ gagotogtatggcaccggaaccggtaaggacgcgatcaccAGCggcatcgaggtcgtatggacgaacaccccgacgaaatgggacaacagtttcc 랖 Constant primer ← RkatG321 KatGS315T KafG<sup>S315I</sup> Real time PCR 30 40 10 Thermal cycles katG<sup>S315N</sup> katG<sup>315</sup> Fluorescence (SYBR green I)  $\mathbf{\Omega}$ FMP kargs315T FHP *ItalG*83167 <u>GTGGTGATcgg</u>taaggacgAgatcacca*C* FHP *IcatG*s316N <u>TTGGTGATcgg</u>taaggacgAgatcaccaA FHP katGs3151 ATGGTGATcggtaaggacgAgatcaccaT FHP katG315 CTGGTGATcggtaaggacgAgatcaccag Predicted secondary structure at 60 °C, 2mM MgCl 2· Õ. 6 0 FHP katĠ<sup>s315N</sup> o ó Hairpin shaped primers FHP ItaiGS3151

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FHP KatG315